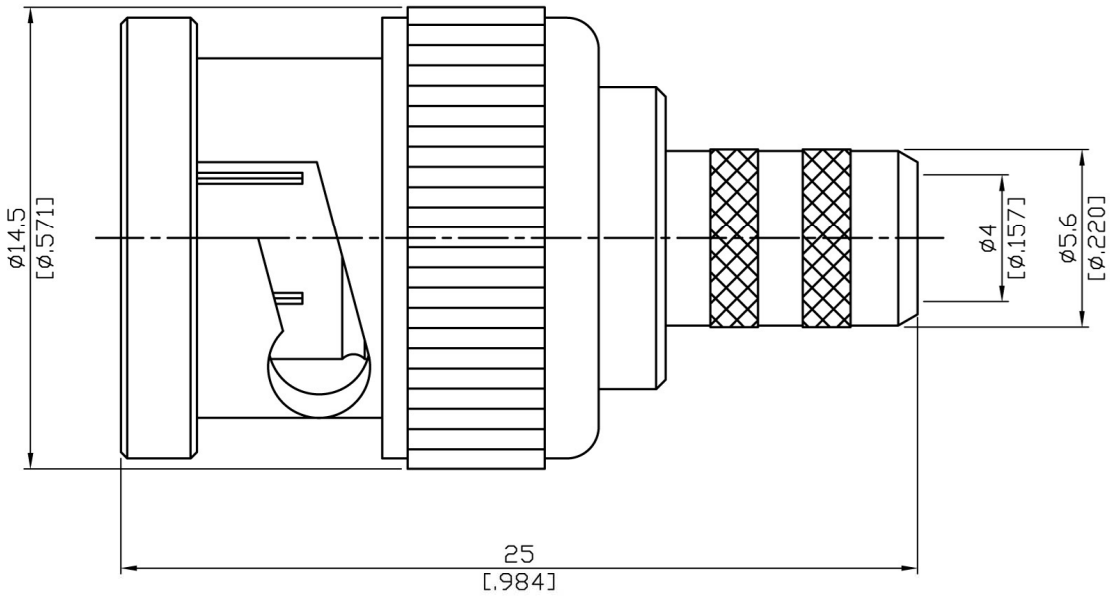
3126700155	BNC plug crimp for LMR240	50Ω



Parts	Material	Plating (Micro-inch)
Ferrule	Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Contact Pin	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Gasket	Silicone	
Washer	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Spring	SK 5	
Insulator	Teflon	
Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Coupling Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50

Suitable Cables: LMR240

This part number complies with RoHS.

3126700155	

Interface

MIL-STD-348B

Electrical Data

Impedance	50Ω
Frequency range	DC to 1.9GHz
VSWR	≦1.2 (DC to 1.9GHz)
Insertion loss	≦0.1 x $\sqrt{f(GHz)}$dB
Insulation resistance	≧5000MΩ
Contact resistance inner conductor	≦1.5mΩ
Contact resistance outer conductor	≦1mΩ
Dielectric withstanding voltage (at sea level)	1500 V rms
Working voltage (at sea level)	500 V rms

Mechanical Data

Recommended coupling nut torque	0.6 to 2.5 inch lbs
Coupling nut retention force	≧101.2 lbs
Contact captivation-axial	≧6.1 lbs
Durability (mating)	≧500

Environmental Data

Temperature range	-65°C to +165°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Moisture resistance	MIL-STD-202, Method 106
Corrosion	MIL-STD-202, Method 101, Condition B
RoHS	Compliant

Tooling

Crimping tool

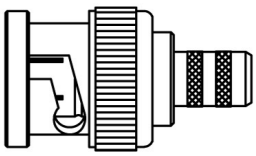
Crimp insert

Notice:

CABLE ASSEMBLY INSTRUCTION

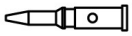
3126700155	DATE	2021/02/25	REV	A

A



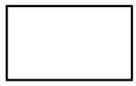
BODY

B

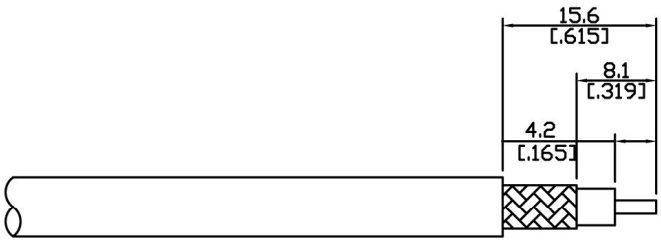
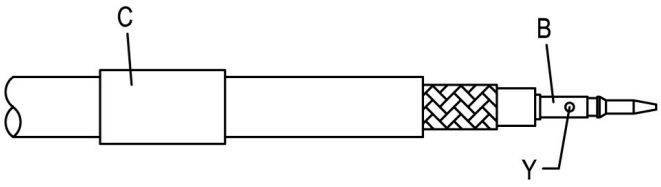
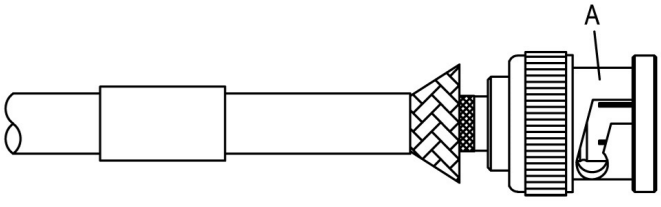
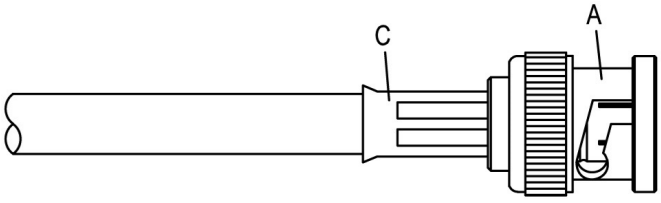


CONTACT PIN

C



FERRULE

DIAGRAM	ASSEMBLY INSTRUCTION
	Step 1: STRIP AS SHOWN.
	Step 2: SLIDE FERRULE " C " OVER CABLE. Step 3: PUT PIN " B " ON CENTER CONDUCTOR AND SOLDER OR CRIMP IN " Y ". (USE SQUARE 1.6mm/0.063inch SECTION OF INSERT-E IF CRIMPED)
	Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.
	Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP. (USE 6.5mm/0.256inch HEX SECTION OF INSERT-E)

This part number complies with RoHS.

APPROVED	CHECKED	DRAWING